

2-component, decorative epoxy grout

Description

MULTIFILL-EPOXY GLITTER is a 2 component solvent-free epoxy grout. It has high compressive, flexural and adhesive strength. With the addition of the special glitter ISOMAT GLITTER into MULTIFILL EPOXY GLITTER, is created a grout with particular aesthetic metalized effect. MULTIFILL-EPOXY GLITTER is resistant to several acids, alkalis, corrosive agents for concrete, cleaning agents, sea water and salted water. It has excellent workability and is easily cleaned with water before hardening. Suitable for joint width 1,5-12 mm. Classified as a RG tile grout according to EN 13888.

Fields of application

MULTIFILL-EPOXY GLITTER is applied to achieve a grout with special aesthetic finish, due to the reflection of light caused by the special glitters ISOMAT-GLITTER. Furthermore it is used wherever high chemical resistance and mechanical strength is required. It is ideally combined with glass mosaic tiles and with high chemical resistant tiles. It is suitable for pointing wall or floor tile joints in residences, restaurants, showrooms, commercial areas, industrial areas etc.

Technical data

Base:	2-component epoxy resin
Colors:	Beige + 10 selected colors by adding special aggregates
	100 Silver
	110 Green
	120 Turquoise
	130 Violet
	140 Pink
	150 Red
	160 Red brown
	170 Bronze
	180 Beige

190 Gold

Mixing proportion (A:B):	100:7 by weight
Density (A+B+Glitter):	1,35 kg/l at +23°C
Pot life:	approx. 45 min at +23°C
Cleaning:	in 45 min at +23°C
Walkability:	after 16 h at +23°C
Minimum hardening temperature:	+10°C
Partial loading:	after 48 h at +23°C
Full loading:	after 7 days at +23°C
Compressive strength:	49 N/mm ²
Flexural strength:	30 N/mm ²
Wear resistance:	≤ 210 mm ³
Shrinkage:	≤ 0,4 mm/m
Water absorption after 240':	≤ 0,02 g
Adhesive strength:	> 3 N/mm ² (breaking point of concrete)
Cleaning of tools:	Tools should be cleaned thoroughly with water after any work interruption.

Directions for use

1. Mixing of the components

Components A (resin) and B (hardener) are packed in two separate containers, in pre-determined mixing proportion by weight. The whole quantity of component B is added into component A. Mixing of the 2 components should take place for approx. 3 minutes, using a low revolution mixer (300 rpm). It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener.

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Next, the glitter ISOMAT GLITTER is added, 10% by weight of MULTIFILL EPOXY GLITTER (Each 2 kg package of MULTIFILL EPOXY GLITTER is mixed with one package of 200 g of ISOMAT GLITTER) and continue to stir until the glitter is uniformly dispersed in the mixture.

2. Application procedure

Pointing of the tile joints

The resulting mixture is gradually poured in the dry and clean joints and it is spread using a rubber float in a diagonal direction to the joints, in order to fill them completely and to remove the excessive material.

Cleaning of the tile surface

The small quantity of the epoxy grout that remains on the floor tiles surface is emulsified by being rubbed with a slightly wetted hard sponge and it is wiped away immediately. Subsequently, the tiles surface is cleaned again with a soft clean and slightly wetted sponge. The use of lukewarm water makes cleaning easier. For even easier cleaning 10% spirit (by weight) may be added in the water used.

Consumption

The consumption depends on the tile dimensions and the joint width. Indicative cases are shown below:

Tiles dimensions (in cm)	Joint width			
	3 mm	7 mm	10 mm	12 mm
4,2 x 4,2 x 0,6	1.160	2.700	3.860	4.630
10 x 10 x 0,9	730	1.700	2.430	2.920
15 x 15 x 1,2	650	1.510	2.160	2.590
20 x 20 x 0,7	280	660	950	1.130
24 x 12 x 0,8	410	950	1.350	1.620
24 x 11,5 x	780	1.820	2.600	3.130
24 x 11,5 x 2	1.040	2.430	3.470	4.170
24 x 11,5 x 2,5	1.300	3.040	4.340	5.210
30 x 30 x 0,8	220	500	720	860
40 x 40 x 0,8	160	380	540	650
40 x 40 x 1,0	200	470	680	810
50 x 50 x 0,8	130	300	430	520

(Consumptions values in g/m²)

Packaging

MULTIFILL-EPOXY GLITTER is available in packages of 2 kg (A+B) and ISOMAT GLITTER in packages of 200 g. A and B components are in pre-determined mixing proportion by weight. The container of component B is built in the container of component A.

Shelf-life - Storage

12 months from date of production if stored in original sealed packaging, in areas protected from humidity and direct sun exposure. Recommended storage temperature between +5°C and +35°C.

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Remarks

- In low temperatures the material loses its good workability and reaction times increase. On the other hand, high temperatures reduce working time. The ideal temperature of application is between +15°C and +25°C, in order that the product has the most optimal workability and time of curing. In low temperatures (<+15°C) is observed delay on setting, while in higher (>+30°C), is observed acceleration. It is recommended a soft warm-up of materials on wintry months and respectively on summer their storage in cool place before use.
- MULTIFILL-EPOXY GLITTER is completely safe for health after hardening.
- Consult the safety advice mentioned on the label before use.

Volatile organic compounds (VOCs)

According to the Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory g, type SB is 350g/l (2010) for the ready to use product.

The ready to use product MULTIFILL-EPOXY GLITTER contains max <350 g/l VOC.

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